

In the claims:

All of the claims standing for examination are reproduced below with appropriate status indication.

Claims 1-7 canceled.

8. (currently amended) A broadband data transmission system comprising:

a high priority queue reserved for data entities requiring that data entities be ~~sent~~ transmitted in a successive fashion at or above a minimum rate to insure no interruptions;
a lower priority data entity queue; and

control routines adapted for dividing large data entities in the lower priority queue into multiple smaller data entities of a size that may be interspersed with ~~and transmitted~~ simultaneously the transmission of data entities from the high priority queue without causing the rate of transmission of the high priority entities to fall below the minimum rate.

9. (previously presented) The broadband data transmission system of claim 8 wherein the transmission system comprises a satellite transmission system.

10. (original) The broadband data transmission system of claim 8 wherein, upon dividing a large data entity into multiple smaller data entities for transmission, the control routines prepare a division key for transmission to a user, the division key adapted to aid in reassembling the multiple data entities back into the undivided larger data entity.

Claims 11-12 cancelled.

13. (currently amended) In a broadband data transmission system having a high priority

queue reserved for first data entities requiring that the first data entities be sent transmitted in a successive fashion at or above a minimum rate, a method for transmitting a second data entity comprising steps of:

(a) dividing the second data entity into multiple portions, each portion small enough to ensure that it may be transmitted interspersed with first data entities without violating the minimum rate for the first data entities; and

(b) transmitting the divided portions of the second data entity interspersed with, ~~and simultaneously with~~ transmission of first data entities, without causing interruption in transmission of the first data entities.

14. (original) The method of claim 13 further comprising a step for preparing a division key with information about the facts of division of the second entity, and a step for causing the division key to be transmitted to a user.